

PONCAROVA, Zdena; VYBORNÝ, Josef

Retroperitoneal rupture of the duodenum. Rozh. chir. 34 no.2:
103-109 P '60.

1. Chirurgicka klinika fakulty detskeho lekarstvi Karlovy univer-
sity v Praze, prednosta doc. dr. Zdenek Vahala.
(DUODENUM wds. & inj.)

VYBORNÝ, Josef; PONCAROVÁ, Zdena

Solitary diverticulitis of the cecum. Rozhl. chir. 40 no.8:575-578
Ag '61.

1. Chirurgická klinika fakulty dětského lékařství, fakultní nemocnice
v Praze 1, prednosta doc. MUDr. Zdenek Vahala.

(DIVERTICULITIS case reports)

VYBORNÝ, Josef, MUDr; JENÍČEK, Otakar, MUDr; JIRASÍK, Lubor, MUDr; MASEK, Rudolf, MUDr

Spontanní panniculitis. Cas.lek.cesk. 91 no.8:227-234 22 Feb 52.

1. Z chirurgického oddelení statní fakultní nemocnice, pobočky v Praze III; prednosta: MUDr Zdenek Vahala. Z II. dermatovenerologické kliniky univerzity Karlovy; prednosta: prof. dr. Karel Hubschmann. Z I. patologicko-anatomického ústavu univerzity Karlovy; prednosta: prof. dr. Herman Sikl.

(PANNICULITIS,
spontaneous, clin. manifest. & ther.)

VYBORNÝ, Josef, MUDr.; JENICEK, Otakar, MUDr.

Traumatic dislocation of the hip in children. Acta chir. orthop. traum. czech. 23 no.3:124-128 June 56.

1. Z chirurgické kliniky nemocnice v Praze, 1, Pod Petřinou,
prednosta MUDr. Zdenek Vahala.

(HIP, dislocation
traum., in child., case report (Cz))

(DISLOCATIONS,
hip in child, case report (Cz))

(WOUNDS AND INJURIES
causing hip disloc. in child, case report (Cz))

AUTHOR:

VYBORNY, Rudol'f

20-4-4/52

TITLE:

On the Properties of the Solutions of Some Boundary Value Problems for Equations of Parabolic Type (O svoystvakh resheniy nekotorykh krayevykh zadach dlya uravneniy parabolicheskogo tipa)

SSSR/

PERIODICAL: Doklady Akademii Nauk, 1957, Vol 117, Nr 4, pp 563-565 (USSR)

ABSTRACT: In a domain G with a sufficiently smooth boundary the author considers boundary value problems for the equations

$$L(u) = f(x, t)$$

and

$$L(u) = 0,$$

where

$$L(u) = \sum_{i,j=1}^n a_{ij} u_{x_i} u_{x_j} + \sum_{i=1}^n b_i u_{x_i} - u_t + cu$$

and $X = (x_1, \dots, x_n)$. With the aid of methods due to Hopf [Ref. 1, 2] and Oleynik [Ref. 3] the author proves the uniqueness of the formulated boundary value problems and the continuous dependence of the solutions of the coefficients of the equation

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On the Properties of the Solutions of Some Boundary Value
Problems for Equations of Parabolic Type

20-4-4/52

on the right sides and on initial- and boundary conditions.
altogether six theorems (only two of them with a sketched
proof) are formulated.

1 Soviet and 6 foreign references are quoted.

ASSOCIATION: Mathematical Institute of the Czechoslovakian Academy of
Sciences (Matematicheskiy institut Chekhoslovatskoy Akademii
nauk)

PRESENTED: by S. L. Sobolev, Academician, 8 June 1957

SUBMITTED: 17 May 1957

AVAILABLE: Library of Congress
Card 2/2

Regular and stable ...

P/508/62/012/001/001/001
D234/D308

$U(f,y)$ is equal to $f(y)$ for any continuous function f . A domain G is called stable if $U(f,x) = f(x)$ for any continuous f and any $x \in G$. Several theorems are proved, among them the following: the domain G is stable if, and only if the set of unstable boundary points has zero harmonic measure; if a point is stable for (1) it is also stable for (2) and vice versa.

SUBMITTED: December 2, 1959

✓B

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VYBORNÝ, Rudolf

"Differential calculus for beginners" by Karel Havlicek. Reviewed by
Rudolf Vyborný. Aplikace mat 7 no.4:328-329 '62.

L 13245-63

Ps-4/Pr-4/Pu-4 WW

EPR/EWA(h)/EPF(c)/EWT(1)/EPF(n)-2/BDS AFFTC/ASD/SSD
S/044/63/000/003/026/047AUTHOR: Babuska, I., Výborný, R.

(P)

70

TITLE: Regular and stable boundary points for problems of the heat
conduction equationPERIODICAL: Referativnyy Zhurnal, Matematika, no. 3, 1963, 60, Abstract 3E270.
(Ann. Polon. Math., v. 12, no. 1, 1962, 91-104, German).

TEXT: Problems of the existence of a solution, and of regular and stable points for Laplace's equation and the heat conductivity equation are considered. The concepts of regular and stable regions and points are introduced for those equations and a number of assumptions concerning solutions of Laplace's equation and the heat conductivity equation are proved. On the basis of these assumptions and a number of evaluations, it is proved that: 1) a boundary point of a region is regular for Laplace's equation if and only if it is regular for the heat conductivity equation; 2) a boundary point of a region is stable for the heat conduction equation if and only if it is stable for Laplace's equation.

Abstracter's [V. Buyvol] comment. The authors call a region regular for Laplace's equation if a solution of the Dirichlet problem exists in it for any

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S/044/63/000/003/026/047

Regular and stable boundary points

function that is continuous on the contour. A point y on the boundary of a region is called regular for Laplace's equation if the equality $\lim_{x \rightarrow y} u(f, x) = f(y)$, ($\Delta u = 0$), where x belongs to the region, holds for every f that is continuous on the boundary.

[Abstracter's note: Complete translation.]

Card 2/2

VYBORNÝ, Rudolf

The enlarged maximum principle. *Chekhoslovak mat. zhurnal* 14
no. 1: 116-120 '64.

1. Matematický ústav, Československá akademie věd, Praha 1,
Zlatna 25.

DIAZ, J.B.; VYBORNÝ, R.

A mean value theorem for strongly continuous vector valued functions.
Chekhosl mat zhurnal 14 no. 2:322-323 '64.

1. Institute for Fluid Dynamics and Applied Mathematics, College
Park, Maryland (for Diaz). 2. Institute of Mathematics,
Czechoslovak Academy of Sciences, Prague 1, Zitna 25 (for Vyborný).

VYBORNY, Rudol'f

Properties of the solutions of certain boundary problems for
parabolic equations. Dokl. AN SSSR 117 no.4:562-565 D '57.
(MIRA 11:3)

1. Matematicheskiy institut Chekhoslovatskoy AN. Predstavлено
Akademikom S.L. Sobolevym.
(Differential equations, Partial)

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961320020-7

VYBORNY, Rudolf

"Volume and integral" by W.W. Rogosinski. Reviewed by Rudolf
Vyborny. Aplikace mat. 8 no.2:158 '63.

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961320020-7"

VYBORNY, Rudolf

"Calculus of variations" by L.E. Elsgolc. Reviewed by Rudolf
Vyborny. Aplikace mat 8 no.2:159 '63.

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961320020-7

VYBORNÝ, Rudolf:

"Quantity science" by E. Kamke. Reviewed by Rudolf Vyborný.
Aplikace mat 8 no.2:160 '63.

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961320020-7"

PONCAROVA, Zdena; VYBORNÝ, Josef

A contribution to the problem of Meckel's diverticulum in adults.
Rozhl.chir.39 no.10:708-715 0'60.

1. Chirurgicka klinika fakulty detskeho lekarstvi, fakultni nemocnice
v Praze 1, prednosta doc. MUDr. Zdenek Vahala.
(MECKEL'S DIVERTICULUM)

PHASE I BOOK EXPLOITATION

636

Vybornykh, Sergey Fedorovich

Promyslovoye geofizicheskoye oborudovaniye i apparatura (Oilfield Geophysical Equipment and Apparatus) Moscow, Gostoptekhizdat, 1958. 284 p. 4,000 copies printed.

Executive Ed.: Bekman, Yu. K.; Tech. Ed.: Mikhina, E. A.

PURPOSE: The publication serves two purposes: It is a textbook for tecknikum students and a practical manual for exploration geophysicists.

COVERAGE: The book describes contemporary instruments used in the geophysical exploration of bore wells. The author claims that Soviet scientists have introduced a number of new electro-geophysical methods of well logging and have designed new equipment. The author points out that in 1956 the percentage of radiometric (radioactivity determination) methods amounted to 60 percent of the entire bulk of electric logging jobs. Particular advances were made in the methods of neutron logging of well bores, neutron-gamma ray logging, etc. The oil well drilling industry has especially profited from

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Oilfield Geophysical Equipment and Apparatus

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the application of these new methods. Each chapter is dedicated to one type of the new equipment. The author describes the construction, specifications, application and accompanies the description with diagrams. In addition, he adds a short description of the corresponding type of equipment made outside the USSR. The book is divided into two parts, the first dealing with standard electric logging cables and hoisting equipment and the second with more advanced apparatus, such as, combination logs (i.e., boxes composed of seven cables), resistance meters, well inclinometers, drift and slope indicators, log calibrating systems, diameter gauges, resistance thermometers, photographic-recording apparatus, and various types of radioactivity logging. In several cases the manufacturer is also mentioned. The following plants (or laboratories) are mentioned in connection with the types of instrument made: Ufa Geophysical Instrument Plant which makes BKZ log boxes, RP-2 resistance meters, EST-4 and ESO-2 electric thermometers, SKT-5 callipers (diameter gauges); Kiyev Geophysical Instrument Plant which makes BKZ log boxes; the workshop-laboratory of Grozneftegeofizika Trust which makes electronic thermometers; TsNII of Azneftegeofizika Trust which makes REU-57 resistance meters. There are 13 tables, 172 figures, 17 Soviet references, and 2 English references.

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(TN 271.P4V92)

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9-26-58

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961320020-7

VYBORNYYKH, S.F.

Development of equipment for strain measurements. Priborostroenie
(MIRA 17:2)
no.1:22-25 Ja '64.

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961320020-7"

VYBORNYYKH, SERGEY FEDOROVICH

BARSUKOV, Oleg Aleksandrovich; BLINOVA, Nina Mikhaylovna; VYBORNYYKH, Sergey Fedorovich; GULIN, Yuriy Aleksandrovich; DAKHNOV, Vladimir Nikoleyevich; LARIONOV, Vyacheslav Vasil'yevich; KHOLIN, Arkadiy Ivanovich; TARKHOV, A.G., doktro fiz.-mat.nauk.prof., retsenzent; SHOROKHOVA, L.I., vedushchiy red.; PIOSINA, A.S., tekhn.red.

[Radioactive methods of research in oil and gas wells] Radioaktivnye metody issledovaniia neftianykh i gazonovykh skvazhin. Moskva, Gos. nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry, 1958. 314 p. (Oil well logging, Radiation) (MIRA 11:6)

VIBORNYKH, Sergey Fedorovich; AL'KSEYEV, F.A., redaktor; NIKITENKO, A.A.,
vedushchiy redaktor; KHLEBNIKOVA, A.A., tekhnicheskiy redaktor

[The use of radioactive isotopes in petroleum extraction and
well drilling] Primenenie radioaktivnykh izotopov v dobyche nefti
i burenii skvazhin; metod mechenykh atomov. Moskva, Gos.nauchno-
tekhn. izd-vo nefti i gorno-toplivnoi lit-ry, 1957. 109 p.

(MLRA 10:6)

(Radioisotopes--Industrial applications)
(Oil well drilling)

VIBORNYKH, S.7.

Controlling hydraulic fracturing of oil sands by means of tagged atoms. Neftianik 1 no.7:19-23 J1 '56. (MLRA 9:11)

1. Nechal'nik ot dela Glavnogeofisiki.
(Petroleum engineering) (Oil well logging, Radiation)

N/5
669.93
.V8

VYDORNYKH, SERGEY FEDOROVICH

Primeneniye radioaktivnykh izotopov v dobychne nefti i burenii skvazhin
(metod Mechenykh Atomov) (Use of radioactive isotopes in petroleum extra-
ction and oil well drilling) Moskva, Gostoptekhizdat, 1957.
109 p. diagrs., tables.
"Literatura": p. 108.

ITANBERG, Semen Samuilovich; VYBORNYKH, S.P., redaktor; PERSHINA, Ye.G.,
vedushchiy redaktor; POLOSIMA, A.S., tekhnicheskiy redaktor

[Geophysics in the petroleum industry for geologists; interpretation
of the results of industrial geophysical studies] Neftepromyslovaia
geofizika dlia geologov; interpretatsiya rezul'tatov promyslovykh
geofizicheskikh issledovanii. Izd. 2-e, perer. i dop. Moskva, Gos.
nauchno-tekhn. izd-vo neftianoi i gorno-toplivnoi lit-ry, 1957. 397 p.
(Prospecting--Geophysical methods)
(Oil well logging)

VYBORNYKH S. F.
PHASE I BOOK EXPLOITATION 749

Barsukov, Oleg Aleksandrovich; Blinova, Nina Mikhaylevna; Vybornykh,
Sergey Fedorovich; Gulin, Yuriy Aleksandrovich; Dakhnov, Vladimir
NIKOLAYEVICH; Larionov, Vyacheslav Vasil'yevich; Kholin, Arkadiy
Ivanovich

Radioaktivnyye metody issledovaniya neftyanykh i gazovykh skvazhin
(Radioactive Methods for Exploring Oil and Gas Wells) Moscow,
Gostoptekhizdat, 1958. 314 p. 5,000 copies printed.

Reviewers: Tarkhov, A.G., Doctor of Physical and Mathematical Sciences,
Professor, Department of Ore Geophysics of the Sverdlovsk Mining
Institute imeni V.V. Vakhrusheva; Executive Ed.: Shorokhova, L.I.;
Tech. Ed.: Polosina, A.S.

PURPOSE: The book was authorized as a textbook by the Ministry of
Higher Education for students of geological and geophysical sections
at petroleum vuzes. It is also intended as a handbook for geologists
and geophysicists dealing with the theory and techniques of modern
radioactive methods of oil well exploration.

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COVERAGE: The authors stress the physical principles of radiometry of oil and gas wells, describe the operation of radiometric instruments and measuring procedures, and interpret the obtained data. In 1953, the authors working at the Laboratoriya Radioaktivnykh Metodov Issledovaniya Skvazhin (Laboratory of Radioactive Oil Well Logging) of the Moscow Petroleum Institute were the first to solve one of the most important problems, i.e., the use of radioactive methods to determine the location of oilfield water in cased wells. The authors developed the radioactive isotope method and the special modifications of neutron methods for well surveying which have been used extensively by industry since 1954 in the exploration of petroleum resources. A method using sodium activation to establish the location of oilfield water was developed in 1954 at the Petroleum Institute of the USSR Academy of Sciences. N.M. Blinov wrote chapter I; V.N. Dakhnov, the introduction and chapters II, V, and VII; A.I. Kholin, chapter III; O.M. Arutinov, O.A. Barsukov, Ya. Ya. Gorskiy, and V.V. Larionov, chapter IV; V.V. Larionov and A.I. Kholin, chapter VI; Yu.A. Gulin and I.I. Fel'dman, chapter VII; O.A. Barsukov and K.A. Barsukov, chapter VIII; O.A. Barsukov, chapter IX; O.A. Barsukov and A.I. Kholin, chapter X; and S.F. Vybornykh, chapter XI. There are 66 references scattered through the book, 37 of which are Soviet, and the rest English. The book contains 21 tables and 146 drawings.

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11-26-58

VYBORNYKH, Sergey Fedorovich; BEKMAN, Yu.K., vedushchiy red.; MUKHINA, E.A.,
tekhn.red.

[Oil-field geophysical equipment and apparatus] Promyslovoe
geofizicheskoe oborudovanie i apparatura. Moskva, Gos. nauchno-
tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1958. 284 p.
(MIRA 11:5)

(Prospecting—Geophysical methods)
(Petroleum engineering)

KOMAROV, Sergey Grigor'yevich; ZAPOROZHETS, V.M., kandidat tekhnicheskikh nauk, retsenzent; VYBOROV, S. I., inzhener, retsenzent; PODERANTS, L.I., inzhener, retsenzent; PERSHINA, Ye.G., vedushchiy redaktor; POLOSINA, A.S., tekhnicheskiy redaktor

[Technology of industrial geophysics] Tekhnika promyslovoi geofiziki. Izd. 2-e, perer. Moskva, Gos. nauchno-tekh. izd-vo neftianoi i gorno-toplivnoi lit-ry, 1957. 562 p. (MIRA 10:1)
(Geophysics) (Prospecting--Geophysical methods)

VYBORNYKH, S. F.

AID P - 2742

Subject : USSR/Mining

Card 1/2 Pub. 78 - 12/22

Author : Vybornykh, S. F.

Title : Method of marked atoms (isotope tracers) for the study and control of the technical conditions of oil and gas wells

Periodical : Neft. khoz., 33, 7, 61-64, J1 1955

Abstract : Electrical methods like measuring the electrical resistance of rock formations and electrical thermometry have been used among the various logging devices giving information on the different geological formations encountered while drilling, on the status of the casing of the oil wells, or on rock conditions outside the well casings. In 1952 a new electrical method was suggested in which radioactive isotopes of cobalt, zinc etc. are added to the drilling fluid. This activated fluid is then pumped into the well. Dependent upon the permeability

AID P - 2742

Neft. khoz., 33, 7, 61-64, J1 1955

Card 2/2 Pub. 78 - 12/22

of the formation layers, the gamma activity of those layers will change and the measurement of such gamma activity will give information on various characteristics of the strata. Charts.

Institution : None

Submitted : No date

BANIT, Feofan Gavrilovich; YAKUBOVICH, Boris Isaevich;
VOLNANSKIY, A.K., inzh., retsenzent; VYBORNYY,
K.R., inzh., retsenzent; KRIZHANOVSKIY, G.S., inzh.,
retsenzent; ZAYCHIKOVA, E.A., red.; GOL'BERG, T.M.,
tekhn. red.

[Operating, repairing, and assembling equipment in building materials plants] Ekspluatatsiia, remont i montazh oborudovaniia zavodov stroitel'nykh materialov. Moskva, Stroizdat, 1964. 234 p.
(MIRA 17:3)

VYBOROV, G.P.
KLITS, N.I.; KOLESNIK, R.S.; VYBOROV, G.P.

Experimental data on the use of compound vaccine to control brucellosis.
Tez. i dokl. konf. Irk. gos.nauch.-issl.protivoochum. inst. no.2:
19-20 '57. (MIRA 11:3)
(BRUCELLOSIS)

Vyborov, G.P.

KLETS, E.I.; KOLESNIK, R.S.; POTAPOVA, Ye.P.; VYBOROV, O.P.; SHVETS, K.I.

Experimental data on compound immunization with living vaccines.
Tez. i dokl.konf. Irk.gos.nauch.-issl.protivochum.inst. no.2:21-22
'57. (MIRA 11:3)

(VACCINES)

VYBOROV, G.P.
PINIGIN, A.F.; VYBOROV, G.P.; PETUKHOVA, O.S.; ISTOMINA, T.I.; YUZHKOVA, R.N.;
KOBETS, B.V.; SVCHETIKOVA, L.D.; ZELIKMAN, Yu.Ya.; PADALKO, Z.F.;
MIKHALOVSKAYA, Ye.M.; KALMYKOVA, A.D.; KOSTERIN, V.V.; BEILKO, V.I.;
KOSTENKO; MUSIKHINA

Distribution of brucellosis in Eastern Siberia and the Far East.
Tez. i dokl.konf.Irk.gos.nauch.-issl.protivochum. inst.no.2:55-56
(MIRA 11:3)

'57.

(SIBERIA, EASTERN--BRUCELLOSIS)
(SOVIET FAR EAST--BRUCELLOSIS)

KLETS, E.I.; KOLESNIK, R.S.; POTAPOVA, Ye. P.; VYBOROV, G.P.; SHVETS, K.I.

Problem of complex immunization with living vaccines, author's abstract.
Zhur. mikrobiol. epid. i immun. 29 no.10:122 o '58. (MIRA 11:12)

1. Iz Irkutskogo nauchno-issledovatel'skogo instituta Ministerstva
zdravookhraneniya SSSR.
(VACCINES AND VACCINATION,
combined vacc. with living vaccines (Rus))

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961320020-7

KLETS, N.I.; KOLESNIK, R.S., POTAPOVA, Ye.P.; VIBOROV, G.P.; SEVETS, K.I.

Complex immunization with live vaccines. Izv.Irk.gos.nauch.-
issl.protivochum.inst. 20:225-236 '59. (MIRA 13:7)
(VACCINATION)

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961320020-7"

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961320020-7

KLETS, E.I.; KOLESNIK, R.S.; VIBOROV, G.P.

Experimental data on the use of a complex vaccine against
brucellosis. Izv. Irk.gos.nauch.-issl.protivochum.inst. 20:
283-296 '59. (MIRA 13:7)

(BRUCELLOSIS)

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961320020-7"

KLETS, E.I.; KOLESNIK, R.S.; POTAPOVA, Ye.P.; VYBOROV, G.P.; SKALON, T.G.

Characteristics of the immunizing properties of live dry polyvaccine
against plague, tularemia, and brucellosis. Izv. Irk. gos. nauch.-
issl. protivochum. inst. 21:220-225 '59. (MIRA 14:1)

(VACCINES)

(TULAREMIA)

(PLAQUE)

(BRUCELLOSIS)

PINIGIN, A.F.; VYBOROV, G.P. • PETUKHOVA, O.S.

Brucellosis in northern reindeer. Veterinaria 37 no.1:30-31
Ja '60. (MIRA 16:6)
(Reindeer--Diseases and pests) (Brucellosis)

VYBOROV, M.S.
VYBOROV, M.S.

Recent developments in the tillage of Turf-Podzolic soils. Nauka i
pered.op.v sel'khoz. 7 no.9:22-23 S '57. (MIREA 10:10)

1. Starshiy agronom sovkhоза "Krasnaya Gorka," Yaroslavskoy oblasti.
(Tillage) (Podzol)

29

✓ Determining the properties of stock used for the preparation of ceresin. A. S. Vylkova and Z. I. Skripnikova. Gremyachil Nefteyanik 7, No. 2, 48-51 (1937). The investigation covers the ceresin mud used in the Gremyachil oil line. The analysis of the mud should not be attempted before the detn. of the content of water, mechanical admix., ceresin and resins. The mud should be treated with a satd. soln. of NaCl (100 g/l) and cenom. should be effected with live steam. In the case of a considerable contamination of the ceresin mud, there should be a preliminary settling of the mixt. heated with closed steam (100 °C), followed by cenom. of the sepd. upper layer. The Uebelohde app. of the raw ceresin may be raised to 74%. The ceresin should then be sepd. into two grades, one contg. 80% and the other 40% ceresin. The method is described. A. A. Bochtingk

ASBULLA METALLURGICAL LITERATURE CLASSIFICATION

TITOVA, V.L.; YAROMYUK, G.A.; AZARGINOVА, F.S.; VIBOROVА, A.Ye.

Obtaining cholera monovaccine resistant to lysis. Izv. Irk.gos.
nauch.-issl protivochum.inst. 14:79-81 '57. (MIRA 13:7)
(CHOLERA, ASIATIC) (VACCINES)

NAHUNEK, Karel; VYBOROVÁ, Ludmila

Psychic disturbances after mitral surgery. Cas. lek. cesk.
95 no.40:1108-1112 5 Oct 56.

1. Psychiatrika klinika MU v Brne. Prednosta prof. MUDr. J. Hedlik.
(MITRAL STENOSIS, surg.
postop. ment. disord. (Cs))
(MENTAL DISORDERS, etiol. & pathogen.
surg. for mitral stenosis (Cs))

SCHNELLEROVA, M.; MARTINCIK, J.; KONECNA, D.; VYBOROVA, L.

The fate of children with perinatal injuries. Cesk. gynek. 27 no.3:
231-234 Ap '62.

1. Novor. odd. fak. por., prednosta dr. M. Schnellerova, I por gyn.
klin. UJEvP v Brne, prednosta prof. dr. L. Havlasek, II por. gyn. klin.
UJEvP v Brne, prednosta doc. dr. M. Uher, psychiatr. klin. UJEvP v
Brne, prednosta prof. dr. J. Hadlik.

(BIRTH INJURY statist)

VYCHALKOWSKAYA

E-1

POLAND/General Problems

Abc Jour : Ref Zhur - Khimiya, No 3, 1958, No 7554

Author : Vychalkowskaya

Inst : Not Given

Title : The Degree of the Angle on the Conductogram in a Titration
of a Weak Acid with a Strong Base.

Orig Pub : Roczn. chem., 1956, 30, No 3, 959-68

Abstract : On the basis of the linear part of Onsager's equation the degree of the intersection angle (IA) on a conductogram was recalculated in the titration of a weak acid with a strong base. IA can be expressed as the tangent of the difference between the slopes of the individual straight lines of the conductogram. The function of the IA value has a maximum which depends on the volume of the titrated acid, on the concentration of base used in the titration, and on the scale value n chosen so as to decrease the unit of conductivity when interpreted graphically. The value of n, corresponding to the maximum of IA can be calculated by fixing the first

Card : 1/2

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ROLAND/General Problems

E-1

Abs Jour : Ref Zhur - Khimiya, No 3, 1958, No 755⁴

two values. The reasoning is checked experimentally. The calculated value of IA agrees with the value measured on the graph. When the value of n used is less or larger than one calculated for the maximum, lesser values for IA are obtained. It is possible to calculate the optimum conditions for a titration of weak acids conductometrically and thus to decrease the error of the condutogram.

Card : 2/2

VYCHEGZHANIN, A. G., nauchnyy sotrudnik; SHEYNIN, B. Ya., nauchnyy
sotrudnik; KARAMYSHEV, V. B., nauchnyy sotrudnik; GETMANETS,
I. Ya., nauchnyy sotrudnik; MARYLENKO, S. M., vrach (Khar'kov)

Influence of washing solutions and cooling and lubricating
liquids on the skin of machine shop workers. Vrach. delo no. 6:
124-126 Je '62.
(MIRA 15:7)

(MACHINERY INDUSTRY WORKERS--DISEASES AND HYGIENE)
(SKIN--DISEASES)

KHAZAN, G.L.; VYCHEGZHANIN, A.G.; SHAPOSHNIKOV, I.I.; MIKHAYLOVSKAYA, Ye.F.;
YATSUM, K.R.

Improving the sanitary conditions of work with sandblasting machines.
Lit. proizv. no. 5:42-43 My '61. (MIRA 14:5)
(Founding—Hygienic aspects)

VYCHEGORODTSEVA, V.

"Du syndrome anémique et leucémique." Vychegorodtseva, V., (p. 562)

SO: Journal of General Chemistry (Zhurnal Obshchei Khimii) 1940, Volume 18, No. 1.

VYCHEGZHANIN, A.A.

ZABOTIN, V.F., inzhener; VYCHEGZHANIN, A.A., inzhener.

Vertical automatic welding in building tankers. Sudostroenie
22 no.11:28-30 N '56. (MLRA 10:2)

(Shipbuilding) (Tank vessels--Welding)

VYCHEGZHANIN, A.A.

ZABOTIN, V.F., inzhener; VYCHEGZHANIN, A.A., inzhener; MIRONOV, B.A., tekhnik.

Shipbuilding is adopting semiautomatic welding in an atmosphere
of carbon dioxide. Svar.proizv. no.6:15-17 Je '57. (MIRA 10:7)
(Hulls (Naval architecture)--Welding)
(Electric welding)
(Protective atmospheres)

AN
Vychegzhanin, A.A.

135-6-7/13

SUBJECT: USSR/Welding.

AUTHORS: Zabetin, V.F., Engineer, Vychegzhanin, A.A., Engineer, and Mirenev, B.A., Technician.

TITLE: Introducing Semi-Automatic Welding in Carbon Dioxide Medium in Shipbuilding (Vnедрение в судостроении полуавтоматической сварки в среде углекислого газа).

PERIODICAL: "Svarechnye Preizvodstva", 1957, # 6, pp 15-17 (USSR).

ABSTRACT: Experiments with the method have been started at the author's plant in 1955 and resulted in use of semi-automatic welding in carbon dioxide in the production of the plant. The automatic welding method remained in the laboratory due to lack of reliable equipment and the complexity of re-adjusting existing welding machines. However, replacing manual welding in shipbuilding by more efficient welding methods is a task of paramount importance.

The semi-automatic welding stand in use consists of the semi-automatic device "ПУ-5" (or "ПУ-500"), the holder of which has been replaced by a special gas torch, a carbon dioxide container with an attached electric heater, and a standard oxy-

Card 1/2

135-6-7/13

TITLE:

Introducing Semi-Automatic Welding in Carbon Dioxide Medium in
Shipbuilding (Vnедрение в судостроении полуавтоматической
сварки в среде углекислого газа).

gas reducer. The gas driers "POK-1" recommended by "TeNIITMASH" were rejected since they contributed no improvement in work and caused freezing of reducer after 10-15 minutes. The author's plant designed a torch which differs from other designs (used in the Pedol'skiy Plant imeni Ordzhonikidze and in the Nevezkiy Machinebuilding Plant) by less weight and more handiness. It is cooled by the passing carbon dioxide, which simplifies welding. The torch is shown by drawings. The welding technology is given in the article. The method is being widely used in welding ship pipelines, parts of ship ventilation systems and superstructures. It is highly economical compared to manual welding.

The article contains 2 drawings, 1 set of sketches, 2 photographs, 1 table.

ASSOCIATION: Not stated.

PRESENTED BY:

SUBMITTED:

AVAILABLE: At the Library of Congress.

Card 2/2

KHAZAN, G. L., kand. med. nauk; GONCHAROVA, N. N., kand. med. nauk;
KARAMYSHEV, V. B., mladshiy nauchnyy sotrudnik; VYCHEGZHANIN,
A. G., mladshiy nauchnyy sotrudnik; OVCHAREJKO, O. I., kand. med.
nauk; ZHUK, G. S., kand. med. nauk (Khar'kov)

Bacterial diffusion in the atmosphere of machine shops and ways
of decreasing it by the ultraviolet irradiation of the recircu-
lated air. Vrach. delo no. 6:121-124 Je '62.

(MIRA 15:7)

1. Ukrainskiy nauchno-issledovatel'skiy institut gigiyeny truda
i professional'nykh zabolеваний.

(ULTRAVIOLET RAYS)
(METALLURGICAL PLANTS--HEATING AND VENTILATION)
(AIR--BACTERIOLOGY)

MIKULINSKAYA, R.M.; FYADINA, D.D.; DROMASHKO, A.I.; SHULICHENKO, A.I.;
ROMASHKO, Yu.V.; ZLATOPOL'SKAYA, R.D.; BERCOL'TSEVA, L.A.; VEREZUB,
L.G.; CHAYKIHA, T.H.; YEMEL'YANOVA, O.I.; GINZBURG, L.Ya.; GOLODYUK,
L.F.; BUMYANTSEVA, I.V.; VYCHEGZHANIN, A.G.; GOL'DENBERG, R.A.

Data on the study of the epidemiological effectiveness of vaccination
against influenza in Kharkov in October 1957. Vop.virus. 4 no.4:407-
411 Jl-Ag '59. (MIRA 12:12)

1. Khar'kovskiy institut vaktsin i syyorotok imeni I.I. Mechnikova.
(INFLUENZA, prevention & control)

YCHEOZHANIN, Arkadiy Leont'evich; PERLIN, S.S., redaktor; POPOV, N.D.,
tekhnicheskiy redaktor

[Tables for more effective laboratory work in geology and calculation
of reserves of mineral deposits] Tablitsy dlia ratsionalizatsii
kameral'nykh geologicheskikh rabot i podscheta zapasov poleznykh
iskopayemykh. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po geol. i
okhrane nedor, 1957. 207 p.
(Ore deposits)

(MLRA 10:8)

VYCHEPOL'SKIY, S.

Suez Canal

Suez Canal., Vokrug sveta., no. 1, 1952

Monthly List of Russian Accessions, Library of Congress, March 1952. UNCLASSIFIED.

SHATILOV, D.V.; LAPIN, V.S.; VYCHEROV, D.I., master

Unloading of frozen ores. Zhel. dor. transp. 47 no.1378-80
(MIRA 18;3)
Ja '65.

1. Starshiy inzh. Promtransniiprojekta (for Shatilov).
2. Nachal'nik zheleznodorozhnogo tsentral'nogo Novotul'skogo metallurgicheskogo zavoda (for Lapin). 3. Novotul'skiy metallurgicheskiy zavod (for Vycherov).

OMISHCHIN, B.P.; VYCHEROV, V.G.; MASTYKOV, G.F.

Electric smelting of oxidized nickel ores for the production of
iron nickel. Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst.nauch.i
tekh.inform. 16 no.8:3-6 '63. (MIRA 16:10)

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961320020-7

DOROFEEVA, T.V.; VYCHEV, V.T.

Stylolites of Upper Cretaceous carbonate sediments in the Chechen-
Ingush A.S.S.R. Trudy VNIGRI no.193:187-191 '62. (MIRA 15:12)
(Chechen-Ingush A.S.S.R.—Stylolites)

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961320020-7"

PRIVORA, M.; VYCHODIL, J.

Field insect control by means of hot oil aerosols. Effect on ticks
Ixodes ricinus L. Cesk.epidem.mikrob.izm. 9 no.1:30-33 Ja '60.

1. Ministerstvo zdravotnictvi, Krajska hygienicko-epidemiologicka
stanice v Ceskych Budejovicich.
(TICKS)
(INSECT CONTROL)

PRIVORAA, M.; VYCHODIL, J.

Field use of hot oil aerosols. I. Mosquito control. Cesk. epidem.
mikrob. imun. 8 no.3:208-211 May 59.

1. Ministerstvo zdravotnictvi-----Krajska hygienicko-epidemiologicka
stanice v Ceskych Budejovicich.

(MOSQUITOS,
eradication with hot oil aerosols (Cz))

(OILS,
hot oil aerosols in mosquito control (Cz))

VYCHODIL, V.

Complex analysis of the economic activities of the enterprises during the year 1958, an important factor in the successful fulfillment of tasks of the economic plan for 1959 in flour mills and bakeries, p. 46.

TECHNIKA VYKUPU, MLYNARSTVI A PEKARSTVI. (Ministerstvo potravinarskeho prumyslu a výkupu zemedelských výrobku a Sdružení mlýnů a pekáren)
Praha, Czechoslovakia, Vol. 5, no. 1, Jan. 1959.

Monthly List of East European Accessions (EEAI), LC Vol. 9, no. 2,
Feb. 1960

Uncl.

VYCHODIL, V.

Possibilities of efficiency increase as shown by our best bulk-purchase enterprises. p.188

TECHNIKA VUKUPU, MLYNARSTVI A PEKARSTVI (Ministerstvo potravín-arskeho průmyslu a výkupu zemědělských výrobků a řízení mlynů a pekáren)
Praha, Czechoslovakia, Vol. 5, no. 4, Apr. 1959

Monthly List of East European Accessions (EEAI), Vol. 9, no.1, Jan, 1960

Uncl.

VYCHODIL, V.

Introduction of the new system of wages in the sector of flour mills and bakeries is the most important present-day task. p. 124.

TECHNIKA VUYUPU, MLYNARSTVI A PEKARSTVI. (Ministerstvo potravinarskeho prumyslu a výkupu zemedlskych vurobku a Sdruzeni mlynu a pekaren)
Paraha, Czechoslovakia, Vol. 5, no. 3, Mar. 1959.

Monthly List of East European Accessions (EEAI), LC Vol. 9, no. 2,
Feb. 1960.

Uncl.

VYCHODSKY, J.

Yak 12 R, a plane for export. p. 74. (Kridla Vlasti, No. 3, Feb 1957, Praha,
Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Unc1.

VYCHODSKY, J.

The equipment of a C-11 plane. p. 147. (Kridla Vlasti, No. 5, Mar 1957,
Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

EXCERPTA MEDICA Sec. 17 Vol. 3/11 Public Health Nov. 57

3446. VYUCHIKOVA M.A. Inst. of Hygiene, Centr. Inst. of Phys. Cult.; Lab. for Study of Vitamins, Inst. of Nutrit., Acad. of Med. Scis of the USSR, Moscow. "A study of Vit. B₁ requirements in sports training (Russian text). GIGIENA 1956, 3 (23-29) Illus. 5

Study was made of ice skaters and hockey players in training for 12 days. During this training all were subjected to the same exercise and rest and received the same diet, except that some received in addition 10-20 mg. B₁. In men receiving additional vitamins less fatigue was observed. The prolonged administration of vit. B₁ 20 mg. daily is recommended for ice skaters in training on medium distances and for ice hockey players.

I.G. Popov - Moscow

VYCHOPEN, Bohumil

Shaping of grinding wheels on cylindrical grinding machines.
Stroj vyr 10 no.10:526-527 O '62.

1. Zavody Rijkove revoluce, n.p., Vsetin.

VYCHOPEN, Bohumil

A device for measurement of drills in centreless grinding.
Stroj vyr 10 no.8:410-411 '62.

1. Zavody Rijnove revoluce, n.p., Vsetin.

VYCHOPEN, B.

VYCHOPEN, B. Production of broaches for fine groove cutting with a tapered profile. p. 202.

Vol. 4, No. 5, May 1956.

STROJIRENSKA VYROBA.

TECHNOLOGY

Praha, Czechoslovakia

Sg: East European Accession, Vol. 6, No. 3, March 1957

Vvedenskaya, N. A.

| DATE IN BOOK RECEIVED | 07/1/63 |
|---|---------|
| Abstracts book series. Series 20: geochronology | |
| Agrestov's, Yu. G.: <i>Topory vostochnoeuropeiskoye (Geologicheskii ogranichenii na Sredinnye i Vostochnye oblasti) (Geologicheskii ogranichenii na Sredinnye i Vostochnye oblasti)</i> . Moscow, 1956. 125 p. 1:250,000 copies printed. | |
| Bogolyubov, N. V., Belovodov, Doctor of Geological Sciences, Dr. Sc. in Geology and Mineralogy, I. A. Krasnoshchekov, and L. E. Kharlamova: <i>Zemlya. Ed. 2. P. 2. Geologiya</i> . Moscow, 1956. 120 p. 1:250,000 copies printed. | |
| Comment: The publication contains articles based on reports presented at a meeting of the Council on Geology held in Novosibirsk in 1955. The articles reflect the present state of research in geological problems of the eastern part of the Soviet Union. The article discusses the following problems: methods of geological investigation and descriptive methods; methods of determining methods by age, environment and descriptive data on specific areas in Siberian geological structures. The articles are accompanied by diagrams, tables and bibliographical references. | |
| Georgiev, N. V.: <i>Utilizing Data Obtained on East Siberian in Problems of Regional Geochronology</i> | 3 |
| Georgiev, N. V.: <i>Methods Physics and Methods Regionalization</i> | 67 |
| Dobrolyubov, A. S.: <i>Geological Principles of a Method of Seismic Microseismotomography</i> | 72 |
| Egorov, V. V.: <i>Role of Paleogeographic Conditions in Detailed Regional Regionalization</i> | |
| Georgiev, N. V.: <i>Problems in Methods of Seismic Regionalization Based on the Principle of the Seismic Hyperbolization Method</i> | 82 |
| Slobodchikov, A. M.: <i>Problems in Methods of Seismic Regionalization Based on the Description Method</i> | 83 |
| Slobodchikov, A. M.: <i>Particulars of Seismic Regionalization of the East Siberian Area</i> | 92 |
| Slobodchikov, A. M. and A. P. Shchegolev: <i>Seismic Regionalization of the East Siberian Area</i> | 93 |
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| Bogolyubov, N. V., and P. M. Martini: <i>Geometry and Recent Structure of the Edge of the Transcaucasian Polynose</i> | 110 |
| Makarishvili, E. M.: <i>Geological Criteria in the Baltic Regionalization</i> | 115 |
| Khritonenko, S. V. and A. A. Shchegolev: <i>A Method of Correlating Maps of Seismic Regionalizations on a Scale of 1:100,000 Using the Criterion of an Isoplete</i> | 120 |
| Khritonenko, S. V.: <i>Seismic Conditions in Transcaucasia, Turkestan, and Central Asia</i> | 125 |
| Khritonenko, S. V., V. A. Dvornikov, and I. Z. Lerner: <i>Attempts at Detailed Seismic Regionalization Based on One of the Methods of Western Geology</i> | 132 |
| Khritonenko, S. V.: <i>Baltic Regionalization of the Area of the Arkhangelsk Region of 1948 Based on Geophysical Data</i> | 132 |
| Khritonenko, S. V.: <i>Partitions in the Tails of the Earth's Surface and Seismicity (Based on the Examples of the Northeastern Regions of Southern Central Asia)</i> | 139 |

VYCHYTIL, Boh

SURNAME, Given Names

(1)

Country: Czechoslovakia

Academic Degrees: DVM

Affiliation: /Pardubice

Source: Prague, Veterinarstvi, Vol 11, No 9, Sept 1961; pp 350-351

Data: "Perforations of the Urogenital Tract in Cattle by Means of the Insemination
Capillary and Surgical Treatment Thereof"

RAJMAN, Jiri

VYCHYTIL, Boh.

VYCHYTIL, O.

ELEFANT, E.; VYCHYTIL, O.

Cardio-esophageal syndrome in early infancy. Česk. pediat. 12 no. 9:
765-769 5 Sept 57.

I. III detska klinika KU v Praze, gynekolog prof. O. Vychytil,

(CARDIOSPASM, in inf. & child

achalasia, alone & with pyloric stenosis in early
infancy (Cz))

(PYLORUS, stenosis
with achalasia in inf. (Cz))

(STOMACH, dis.
chalasia in inf. (Cz))

OLSANSKY, Cestmir; VYCHYTOVA, Hana; ZAK, Frantisek; CHLUP, Zdenek

Effect of milk acidity and its standardization on the
Gruyore cheese quality; a cheese maker's prognosis. Pt.5.
Prum potravin 14 no.2:85-89 F '63.

1. Vyzkumny ustav mlekarensky, Praha, pracoviste Zeletava
(for Olsansky). 2. Lacrum, n.p., Brno, zavod Zeletava
(for Vychytova). 3. Vychodoceske mlekarny, n.p., Pardubice
(for Zak). 4. Vychodoceske mlekarny, n.p., zavod Kruh u
Jilemnice (for Chlup).

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M.S.; ALEKSEYEV, N.N., red.

[Concentration of a wide range of microelements from nature
waters on a mixed sorbent with subsequent spectrum analysis]
Kontsentrirovaniye shirokogo kruga mikroelementov iz prirod-
nykh vod na smeshannom sorbente s posleduiushchim spektral'-
nym opredeleniem. Leningrad, Vses. nauchno-issl. in-t meto-
diki i tekhniki razvedki, 1962. 21 p. (Obmen opyтом, no.55)
(MIRA 17:4)

TOSOVSKY, V.; MEBEROVA, V.; VYCHYTIL, O.; ELEFANT, E.

Torsion of the spleen. Cesk. pediat. 14 no. 2:167-169 5 Feb 59.

1. Klinika detske chirurgie, prednosta uro. MUDr. J. Zafka a III. detska klinika, prednosta prof. MUDr. O. Vychytil. Doslo 14. VII. 1958.
(SPLIEN, dis.
torsion in 3-year-old boy (0m))

~~VYCHYTIL~~ EXCERPTA MEDICA Sec 13 Vol. 11/10 Dermatology Oct 57

2263. ELEFANT E. and VYCHYTIL O. III Univ.-Kinderklin., Karla-Univ., Prag.
*Incontinentia pigmenti. Incontinentia pigmenti ANN.PAEDIAT.
(Basel) 1957, 188/2 (105-116) Table 3 1 Illus. 4

The authors describe a case observed clinically in a girl from the 12th day after birth, successfully from the vesicular and bullous stages right up to the final pigmentations at 4 months. The partial success of treatment with ACTH is noted. In addition to the skin disease an anomaly of the teeth was also found. Both mother and grandmother of the child showed partial anodontia. Regarding the aetiology of the disease the authors place it into the group of ectodermal polydysplasias.
(VII, 13)

VYCHYTIL, O.

"Atresia ilei congenita terminalis. (Children's Internal Department and Children's Orthopedic-Surgical Department of the State Faculty Hospital in Prague).

SO: Ped. listy, Prague, Vol. 8 (1953), No. 6, pp. 342-345

vychytil, o. and TOSCOVSKY, V.

ELEFANT, E., MUDr.; VYCHYTIL, O., doc., MUDr.; ZAHOR, Z., MUDr.

Fibroelastosis of the pericardium in newborn infants. Cesk. pediat. 10 no.5:370-376 June 55.

1. Z III. detske kliniky, prednosta doc. Dr. O. Vychytil,
z II. pathol. anatom. ustavu, prednosta prof. Dr. V. Jedlicka.
(CARDIAC ENLARGEMENT, in infant and child
endocardial fibroelastosis)

Vychytil, O.

INFANT, B., MUDr.; VYCHYTIL, O., MUDr.

Infantile cortical hyperostosis in one of premature twins
(Syndrome of Caffey-De Toni-Silvermann) Cesk.pediat. 11 no.2-3:
201-205 Mar 56.

1. Z III. detekce kliniky, prednosta doc. Dr. O.Vychytil.

(BONES, dis.

infantile cortical hyperostosis in one of premature
twins)

(TWINS, dis.

same)

(INFANT, PREMATURE, dis.)

HAVLIKOVÁ, D.; VALÍK, A.; VYCHYTIL, O.; TOSOVSKÝ, V.

Diagnosis of intestinal ileus in infancy. Česk.pediat. 11
no.2-3:153-159 Mar 56.

1. z III detske kliniky (doc. MUDr O.Vychtil) a z odd. detske
a ortopedicke chirurgie DFK (doc. MUDr. V.Tosovsky)
(INTESTINAL OBSTRUCTION, in inf. and child
in inf., diag.)

ELEFANT, Emerich; VYCHYTIL, Otto; TOSOVSKY, Vaclav

A case of meconium impaction in a newborn infant. *Cesk. pediat.* 16
no. 7/8: 692-695 Jl-Ag '61.

1. III detka klinika KU v Praze, prednosta prof. MUDr. O. Vychytil -
Klinika pediatricka chirurgie, prednosta doc. MUDr. V. Kafka.

(MECONIUM)

TOSOVSKY, Vaclav, Doc., MUDr.; VYCHYTIL, Otto, Doc., MUDr.;
PISKACOVA, Anna, MUDr.

Acute abdominal emergencies in children. Cesk. pediat. 10 no.7:
488-502 Sept 55.

1. Z oddeleni detske a orthopedicke chirurgie DFN v Praze --
Primar doc. MUDr. Vaclav Tosovsky a ze III. detske kliniky university
Karlov v Praze - predn. doc. MUDr. Otto Vychytil.
(ABDOMEN, ACUTE, differential diagnosis
in inf. & child.)

TOSOVSKY, Vaclav; FHYNTA, Emil; HAVLIKova, Dana; VICHYTIL, Otto

Two cases of annular pancreas in infants. Cesk. pediat. 14 no.3:
260-263 5 Mar 59.

I. Klinika detske chirurgie, prednosta doc. MUDr. Vaclav Kafka,
III. detska klinika, prednosta prof. MUDr. Otto Vychytil.
(PANCREAS, abnorm.
annular pancreas in inf. (Cz))

TOSOVSKY, Vaclav, Doc., MUDr.; VYCHYTIL, Otto, doc., MUDr.;
PISKACOVA, Anna, MUDr.

Acute abdominal emergencies in children. Cesk. pediatr. 10 no.7:
488-502 Sept 55.

1. Z oddeleni detske a orthopedicke chirurgie DFN v Praze --
Primar doc. MUDr. Vaclav Tosovsky a ze III. detske kliniky university
Karlov v Praze - predn. doc. MUDr. Otto Vychytil.
(ABDOMEN, ACUTE, differential diagnosis
in inf. & child.)

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E073/E535

AUTHORS: Sýkorová, V., Dvorák, J., Průsek, J. and Vychytíl, P.

TITLE: Continuous anodic oxidation of aluminium conductors

PERIODICAL: Strojírenství, 1961, Vol.11, No.8, p.634

TEXT: A technology of continuous oxidation of aluminium conductors was developed in which a superimposed current is applied at a current density of about 150 A/dm^2 . Within 15 sec an oxide layer about 8μ thick forms which fully satisfies electrical requirements. The use of the extremely high current densities was made possible by feeding in the current through a liquid and using a special cooling system. The quality of the oxide layer is monitored by an automatic unit. A three-pole optical and sound signalling system gives information to the attending personnel on the state of the process. The oxide layers can withstand temperatures up to 300°C so that they form an insulation of the highest thermal class. In contrast to organic insulating materials, these layers also have a high resistance to high energy radiation in atomic reactors, accelerators etc. The breakdown

Card 1/2